

Math Preparation Requirements			
Institution	Elementary	Middle Level Math/Science	Secondary Math
Antioch University	Math Content for K-8 Teachers I Math Content for K-8 Teachers II Math Methods for K-8 Teachers	Math Content for K-8 Teachers I Math Content for K-8 Teachers II Math Methods for K-8 Teachers	30 credits in Math covering number theory, measurement, euclidean geometry, calculus, probability/statistics, algebra-elementary, linear, abstract-discrete math, history of math Math/Science I Math/Science II Math/Science II
Central Washington University	EDEL 323 Teaching Elementary School Math Math 164.1 Foundations of Arithmetic I	(Must be paired with an endorsement major in elementary ed, biology, chemistry, earth science, math or physics) Math 130.1 Finite Math I Math 164.1 Foundations of Arithmetic I Math 250 Intuitive Geometry for Elementary Teachers EDEL 468 Problem Solving Techniques for Middle Level SCED 323/Math 323 Teaching Experience in Math & Science	Major (61 quarter credits) Math 172.1, 172.2, 272.1 Calculus Math 260 Sets and Logic Math 265 Linear Algebra I Math 299E Orientation Seminar: Secondary Math Math 311 Statistical Concepts and Methods Math 320 History of Mathematics Math 324 Methods of Materials in Math-Secondary Math 332 Discrete Models Math 355 College Geometry I Math 360, Algebraic Structure I Math 361 Algebraic Structure II Math 430 Introduction to the Theory of Numbers Math 455 College Geometry II Math 499E Senior Seminar: Secondary Math Minor (46 credits) Meets endorsement requirements.
City University	EDE 406 Math Concepts and Methods (BA Program) ETC 541 Math Concepts and Methods (MIT Program)	EML 310 Advanced Topics in Middle School Mathematics Instruction EML 330 Integrating Middle School Math and Science Instruction	Currently under development

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Institution	Elementary	Middle Level Math/Science	Secondary Math
Eastern Washington University	Math 211 Structure of Elementary Math I Math 212 Structure of Elementary Math II	NA	(73 quarter credits) Math 161 Calculus I Math 162 Calculus II Math 163 Calculus III Math 225 Foundations of Math Math 231 Linear Algebra Math 241 Calculus IV Math 261 Continuous Functions Math 320 History of Math Math 370 Surveys of Geometries Math 385 Probability and Intro to Stats Math 386 Applied Statistics Math 431 Intro to Modern Algebra I Math 432 Intro to Modern Algebra II Math 492 Problem Solving Seminar Math 493 Methods of Teaching Math 494 Senior Seminar CSED 392 Computer Technology in Secondary School 39 credit minor also available
Gonzaga University	Math 121 Introductory Stats Math 203 Math for Elementary Teachers EDTE 303 Math Methods	NA	(31 semester credits) Math 157 Calculus & Analytical Geometry I Math 231 Discrete Structures Math 258 Calculus & Analytical Geometry II Math 259 Calculus & Analytical Geometry III Math 321 Statistics for Experimentalists Math 339 Linear Algebra Math 341 Modern Geometry Math 437 Abstract Algebra I EDTE 454 M Secondary Math Methods

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Institution	Elementary	Middle Level Math/Science	Secondary Math
Heritage College	Math 101 Algebra and Applications ED 332 Methods in Science and Math Math 350 Math for Elementary Teachers	NA	(33 semester credits) Math 210 Calculus & Analytical Geometry I Math 211 Calculus & Analytical Geometry II Math 221 Intro to Probability & Statistics Math 312 Calculus & Analytical Geometry III Math 330 Differential Equations Math 331 Linear Algebra Math 410 Intro to Abstract Math 3 upper division electives
Northwest College	Math 1523 Math for Elementary Ed I Math 1533 Math for Elementary Ed II EDUC 4132 Math Methods	NA	Math 1243 Calculus I Math 2245 Calculus II Math 2302 History & Structure of Math Math 2402 Discrete Math Math 3003 Probability & Statistics Math 3213 College Geometry Math 3245 Calculus III Math 3322 Linear Algebra Math 3433 Number Theory Math 3513 Ordinary Differential Equations Math 4213 Intro to Modern Algebra Math 4441 Math Assistantship I Math 4451 Math Assistantship II Math 4712 Secondary Math Methods Math 4752 Math Specialist Methods

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Institution	Elementary	Middle Level Math/Science	Secondary Math
Pacific Lutheran University	EDUC 406 Math in K-8 Math 123 or equivalency	Math 151 Intro to Calculus Math 152 Calculus II Math 203 History of Math Math 317 Intro to Proof in Math Math 321 Geometry Math 341 Intro to Math Stats	Math 151 Intro to Calculus Math 152 Calculus II Math 203 History of Math Math 317 Intro to Proof in Math Math 321 Geometry Math 331 Linear Algebra Math 341 Intro to Math Stats Math 433 Abstract Algebra Math 351 Differential Equations OR Math 356 Numerical Analysis OR Physics 153 General Physics
Saint Martin's College	Math 101 (Intermediate Algebra) or higher ED 411 Elementary Math: Content and Methods	MATH Elective (9) ED411 Elementary Math: Content and Methods (4) OR ED484 Secondary Methods (3) AND ED487 Secondary Methods Practicum	(39 semester credits) MTH101 Intermediate Algebra MTH121 Precalculus MTH171 Calculus I MTH172 Calculus II MTH366 Euclidean/Non Euclidean Geometry MTH357 Probability and Statistics MTH353 Linear Algebra OR MTH361 Intro to Abstract Algebra MTH220 Discrete Math MTH314 History of Math ED411 Math Methods ED484 Secondary Methods ED487 Secondary Methods Practicum

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Institution	Elementary	Middle Level Math/Science	Secondary Math
Seattle Pacific University	Math 2530 Survey of Math for Elementary School Teachers I Math 2531 Survey of Math for Elementary School Teachers II EDMA 3000 Math Methods I EDMA 4000 Math Methods II	NA	(60 Credits) Mat 1225, 1226 Calculus Mat 1228 Series and Differential Equations Mat 2228 Multivariable Calculus Mat 2375 Probability Theory Mat 2376 Applied Statistics Mat 2401 Linear Algebra Mat 2720 Discrete Math Mat 3749 Intro to Analysis Mat 3441 Axiomatic Geometry OR Mat 3443 Transformational Geometry Mat 4402 Modern Algebra I Mat 4610 Evolution of Mathematical Mat 3751 Real Analysis II OR Mat 4403 Modern Algebra II Mat 4899 Senior Seminar Electives (8 credits) EDMA 3357 Teaching Secondary Mathematics
Seattle University	Math 200 OR EDUC 412	NA	Transcript Analysis-course in Algebra, geometry, trigonometry, statistics/probability, calculus Praxis II
The Evergreen State College	8 credits to include algebra, geometry, and statistics	12 credits to include at least 4 credits of calculus, and course work in geometry, algebra, and statistics	PRAXIS II (45 quarter credit) Geometry Probability & Statistics Calculus (integral and differential)-12 Discrete Math-4 Logic and Problem Solving-4 History or Foundations of Math-4 Modern Abstract Math-4

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Institution	Elementary	Middle Level Math/Science	Secondary Math
University of Puget Sound	Math 616 (Math Methods Module) PRAXIS II	Math 616 (Math Methods Module) PRAXIS II	Math 618D (Math Methods Module) PRAXIS II
University of Washington-Bothell	Two math courses 100 level and above that demonstrate competencies in at least two of the following areas: probability and statistics, number theory, algebra and geometry. BEDUC Knowing, Teaching and Assessing in Mathematics	NA	NA
University of Washington-Seattle	Math 170 Math for Elementary School Teachers EDTEP 521 Teaching and Learning in Numeracy I EDTEP 522 Teaching and Learning in Numeracy II	NA	Math 124 Calculus w/Analytical Geometry I Math 125 Calculus w/Analytical Geometry II Math 126 Calculus w/Analytical Geometry III Math 307 Intro to Differential Equations Math 308 Matric Algebra w/Applications Math 394 Probability Math 411 Intro to Modern Algebra for Teachers I Math 412 Intro to Modern Algebra for Teachers II Math 444 Geometry for Teachers Math 487 Advanced Math Computer Lab Math 354 Math Enrichment for Schools I Math 355 Math Enrichment for Schools II OR Phys 407 Physics by Inquiry I Phys 408 Physics by Inquiry II Phys 409 Physics by Inquiry III Stat 390 Probability and Statistics in Engineering and Science OR Stat 311 Elements of Stat Methods OR QSCI 381 Intro to Probability and Stats

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University of Washington-Tacoma	TEDUC 460 Math Methods I TEDUC 461 Math Methods II PRAXIS II	5 credits that cover number sense, measurement, and algebraic sense TEDUC 460 Math Methods I TEDUC 461 Math Methods II PRAXIS II	
Walla Walla College	Math 112 Math for Elementary Teachers Math 113 Math for Elementary Teachers EDUC 373 Elementary Curriculum and Instruction:Mathematics	NA	(57 quarter credits) Math181 Analytical Geometry and Calculus I Math250 Discrete Mathematics Math281 Analytical Geometry and Calculus II Math282 Analytical Geometry and Calculus III Math283 Analytical Geometry and Calculus IV Math289 Linear Algebra with Applications Math312 Ordinary Differential Equations Math315 Probability and Statistics Math321 Geometry Math451 Advanced Calculus Math452 Advanced Calculus Math461 Abstract Algebra Math496 Seminar MEDU395 Methods of Teaching Math Math Electives (8)

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Institution	Elementary	Middle Level Math/Science	Secondary Math
Washington State University	Math 251 Math for Elementary Education I Math 252 Math for Elementary Education Teachers II	NA	(37 semester credits) Math 171 Calculus I Math 172 Calculus II Math 220 Intro Linear Algebra Math 273 Calculus III Math 303 Higher Geometry Math 315 Differential Equations Math 330 Methods of Teaching Secondary School Math Math 360 Probability and Statistics Math 398 Mathematical Snapshots CPTS 153 Basic Programming Phys 201 Physics for Scientists Math 320 Elementary Modern Algebra OR Math 421 Algebraic Structures Elective
Western Washington University	Math 381 Teaching K-8 Math I Math 382 Teaching K-8 Math II Beginning in academic year 2005-2006, add Math 383 -Teaching K-8 Mathematics III. This curriculum revision modifies the current two-course series (8 quarter credits) to a three-course series (11 quarter credits), providing opportunities for greater depth in math concepts.	NA	(70 quarter credits) Math 124/125 Calculus & Analytic Geometry Math 204 Elementary Linear Algebra Math 209 Discrete Mathematics Math 224 Multivariate Calculus & Geometry Math 226 Limits & Infinite Series Math 302 Intro to Proofs via Number Theory Math 331 Ordinary Differential Equations Math 341 Probability & Statistics Math 360 Euclidean and Non-Euclidean Geometry Math 419 Historical Perspectives of Math Math 483 Methods of Teaching Secondary Math Math 207 Math Computing -plus four courses from a list of six courses Minor (41 quarter credits) plus an elective adds a math endorsement Combined Math/Chemistry and Math/Physics majors also meet endorsement requirements (45-46 credits)

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Institution	Elementary	Middle Level Math/Science	Secondary Math
Whitman College		NA	
Whitworth College	MA 221 Math for Elementary Teachers MA 341 Math: Elementary Methods	NA	(41 semester credits) *MA 110 Calculus I *MA 111 Calculus II *MA 210 Calculus III *MA 256 Elementary Probability & Statistics *MA 316 Discrete Mathematics *MA 330 Linear Algebra *MA 365 Modern Geometry CS 171 Computer Science I CS 172 Computer Science II Four upper-division math courses from the following: MA 317 Intro to Complex Variables MA 340 Advanced Calculus I MA 341 Advanced Calculus II MA 350 Numerical Analysis MA 360 Number Theory MA 410 Algebraic Structures MA 430W Graph Theory and Combinations MA 456 Math Stats I MA 457 Math Stats II MA 481 Topics Seminar **EDU 454 Math in Secondary School *Minor-meets endorsement requirements **Required for certification